

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	83	(241/101.73).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 10:50
L2	21	("0247712"   "4406412"   "4776524"   "4838493"   "4890798"   "4934616"   "4951886"   "5004168").PN. OR ("5183216").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 11:01
L6	3	("4406412").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 11:38
L7	13	("3223334"   "3861604"   "4275852"   "4294413").PN. OR ("4406412").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 11:38
L8	14	("2931585"   "3128954"   "3223334"   "3300149"   "3326479"   "3739927"   "3752064").PN. OR ("3861604").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 11:56
L9	2	((("4927089") or ("4749132"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/30 11:57
L10	14	("2931585"   "3128954"   "3223334"   "3300149"   "3326479"   "3739927"   "3752064").PN. OR ("3861604").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 13:14

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L11	30	(US-20060131454-\$ or US-20070001041-\$).did. or (US-6129298-\$ or US-5183216-\$ or US-6766973-\$ or US-4951886-\$ or US-4776524-\$ or US-4406412-\$ or US-5630555-\$ or US-5626301-\$ or US-5645236-\$ or US-2123827-\$ or US-6126101-\$ or US-5799888-\$ or US-5772135-\$ or US-5725166-\$ or US-3984058-\$ or US-3946955-\$ or US-2122033-\$ or US-6641068-\$ or US-5857630-\$ or US-5482218-\$ or US-5172869-\$ or US-4549349-\$ or US-3861604-\$ or US-3128954-\$ or US-4927089-\$ or US-4749132-\$). did. or (US-2828925-\$ or US-2575301-\$).did.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 15:45
L12	20	11 and (shim\$4 or wedg\$4 or adjust\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/30 16:07
L13	437	(241/264).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 18:39
L14	772	(144/4.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 18:50
L15	944	(144/34.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 18:50
L16	667	15 not 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:07

## EAST Search History

L17	823	(30/228).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:08
L18	812	17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:20
L19	662	(241/259.1).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:20
L20	658	19 not 17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:29
L21	437	(241/264).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:29
L22	0	21 not 19 not 17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:29
L23	177	(241/269).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:29

## EAST Search History

L24	173	23 not 21 not 19 not 17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:34
L25	710	(241/286).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:34
L26	655	25 not 23 not 21 not 19 not 17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:46
L27	105	(241/289).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:46
L28	97	27 not 25 not 23 not 21 not 19 not 17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:49
L29	331	(241/290).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:49
L30	307	29 not 27 not 25 not 23 not 21 not 19 not 17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:53

## EAST Search History

L31	654	(241/291).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/30 19:53
L32	578	31 not 29 not 27 not 25 not 23 not 21 not 19 not 17 not 15 not 14 not 13 not 1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 19:53
S1	12	ramun.in. and "241"/\$.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/30 10:50
S2	2	((("5183216") or ("6129298"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/25 13:44
S3	21	("0247712"   "4406412"   "4776524"   "4838493"   "4890798"   "4934616"   "4951886"   "5004168").PN. OR ("5183216"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 13:49
S4	326	(241/266).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 13:50
S5	11	("0055181"   "0962998"   "4406412"   "4765546").PN. OR ("5630555"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 14:39
S6	24	("2065784"   "2122033"   "2258075"   "3144214"   "3687062"   "3946955"   "3984058"   "4039151"   "5046670"   "5110057"   "5172869"   "5482218"   "5630555"   "5725166"   "5772135"   "5799888"   "5802747"   "5857630"   "6116530"   "6126101").PN. OR ("6641068").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 14:41
S7	12	("2487744"   "2575301"   "2828925"   "3075713"   "3804345").PN. OR ("3946955").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/25 15:26

## EAST Search History

S8	458	(30/134).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/25 15:26
S9	448	S8 not S4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/25 15:26